

INTRO●DUCTION



ACO

Aero COncept

<https://www.acokk.co.jp>

ACO Co., Ltd.

◆◆◆ A message from the President ◆◆◆



Our businesses:

For over 43 years, ACO Co., Ltd. has been a leading innovator in the manufacture of powder & particle handling and environmental control equipment. In particular, ACO specializes in the fields of blending, separation, dust removal and dust collecting. Furthermore, ACO's "Wet Scrubber" is used extensively in environmental hazardous gas absorption.

Our policies ensure customer satisfaction:

Superior products

We produce simply manufactured, easy to maintain equipment.

Cost Reduction

We reduce customer costs through our unique technology.

Specific Proposals:

We offer appropriate specifications quickly to fit the customer's plan.

No Delivery delays

We strictly adhere to the determined delivery date.



President
Katsumi Kono



Founder
Motomi Kono

◆◆◆ Corporate Overview ◆◆◆



-Data as of November 2019 (108JPY/ 1USD, 119JPY/ 1EUR)

Name : ACO Co., Ltd.
Location : <Head office>
1-1-40, Imagawa, Urayasu, Chiba 279-0022 Japan
TEL:+81-47-352-4761 FAX:+81-47-354-5268
<Osaka branch>
3-24-1, Taramicho, Suita, Osaka 564-0062 Japan
TEL:+81-6-6368-9551 FAX:+81-6-6368-9552
<Iwata factory>
500-1, Higashihiramatsu, Iwata, Shizuoka 438-0211 Japan
Founded : February 14, 1977
Capital Stocks : 50,000,000 JPY
Net Asset : 2,560,000,000 JPY
Representative : Katsumi Kono, President
Number of Employees: 103
Banks : Bank of Tokyo-Mitsubishi UFJ ,Ltd. Urayasuekimae branch
Mizuho Bank, Ltd. Nishikasai Branch



Head office

◆ Iwata Factory ◆



Running cost reduction, long service life,



Any of 4 types of bag houses can be chosen according to the application.



Type1. Pleated Bag Filter

Comes with a filter made of Polyester or PPS media pleated and formed into a cylindrical shape.

Merits:

- Compact & cost saving compared with Tube Type Bag Filters.
- ① Operation space 60% cut
- ② Initial costs 30% cut
- ③ Running costs 30% cut
- Temperature range up to 150°C



Type2. Tube Type Bag Filter

Tube type filter made from various felt media.

Merits:

- 2 types of filter installation:
 - Band Type
 - Top Removal (TR) Type
- Various filter media available
- Temperature range up to 250°C



Type3. Board Type Pleated Bag Filter

Board shaped pleated filter made from polyester media

Merits:

- Suitable for installation in low clearance buildings
- Compact casing size compared to Pleated Bag Filter with the same filter area
- Temperature range up to 90°C

Type4. Board Type Bag Filter

Board type filter made from various felt media

Merits:

- Suitable for installation in low clearance buildings
- Various filter media
- Compact casing size compared to Tube Type Bag Filter with the same filter area
- Temperature range up to 250°C

simple handling and cleaning

Leave it all ACO's technology.



Type 1



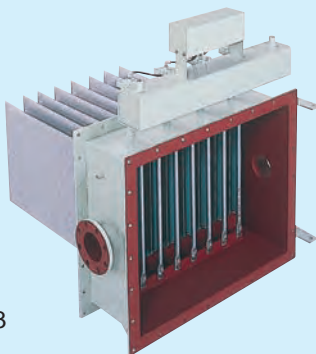
Type 1



Type 2



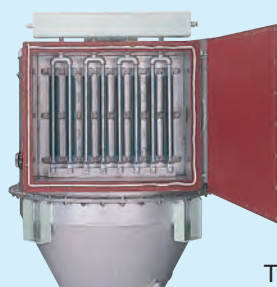
Type 2



Type 3



Type 3



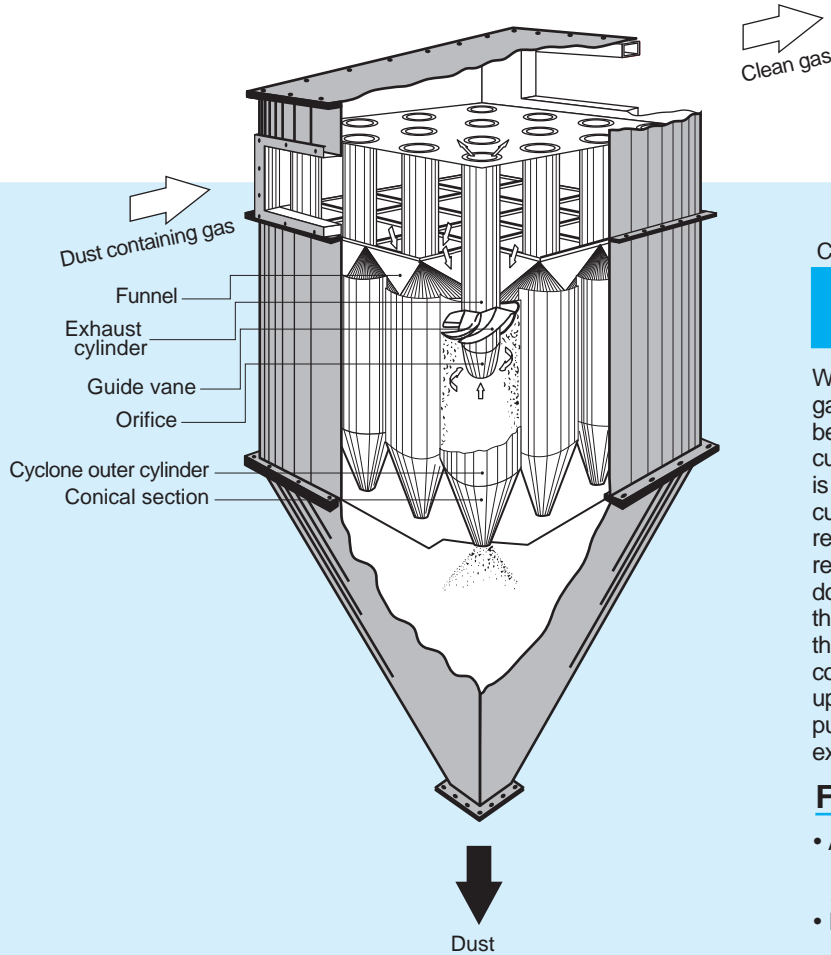
Type 4

Pleated Bag Filters

Pleated Bag Filters collect fine to large size powders using various filter media.

Features

- Capable of collecting 99.999% of particles of even less than $1\mu\text{m}$ size
- Capable of continuous operation even in heavy dust laden gas conditions
- Can be used for handling super-fine particles, corrosive gases and high-temperature gases. Filters are selected according to the customer's specific applications



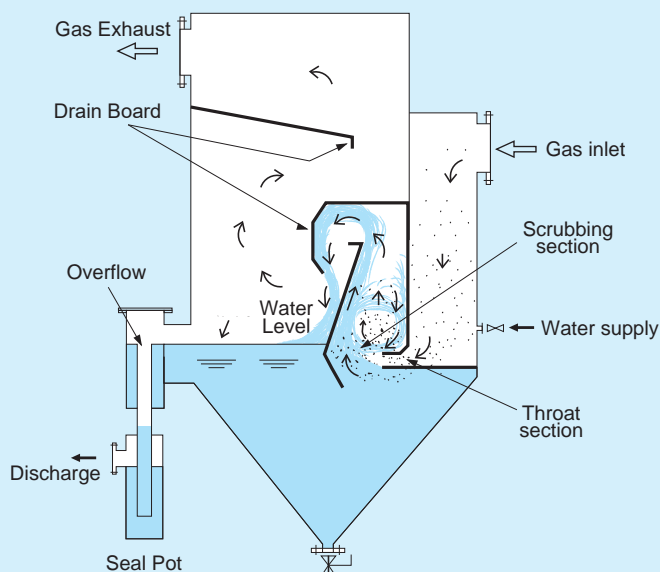
Complete Collection of 12µm Particles

ACO Multi Cyclone

When passing through the guide vane, gas laden dust is accelerated to become a strong downward whirling current in the cyclone. Subsequently, it is reversed to become an upward current in the conical section. As a result of strong centrifugal force, dust reaches the outer cylinder and moves downward via the whirling current. It is then discharged into the hopper through an opening at the bottom of the conical section. Furthermore, the upward current is discharged as purified gas through the orifice and the exhaust cylinder.

Features

- Aerodynamically designed stainless steel guide vane prevents particle adhesion and wear.
- No dust accumulation
A funnel is provided, and flat sections within the cyclone elements have been eliminated.
- An air jet cleaning device can be built-in.



Single Scrubber

ACO Wet Scrubber & Double Scrubber

Features

- Simple structure
- No pump required
- Low pressure loss
- No moving parts
- Maintenance free
- Affordable operation

Applications

- Dust Collection
- Gas absorption
- Deodorization

ACO Technology employs aerodynamic principles



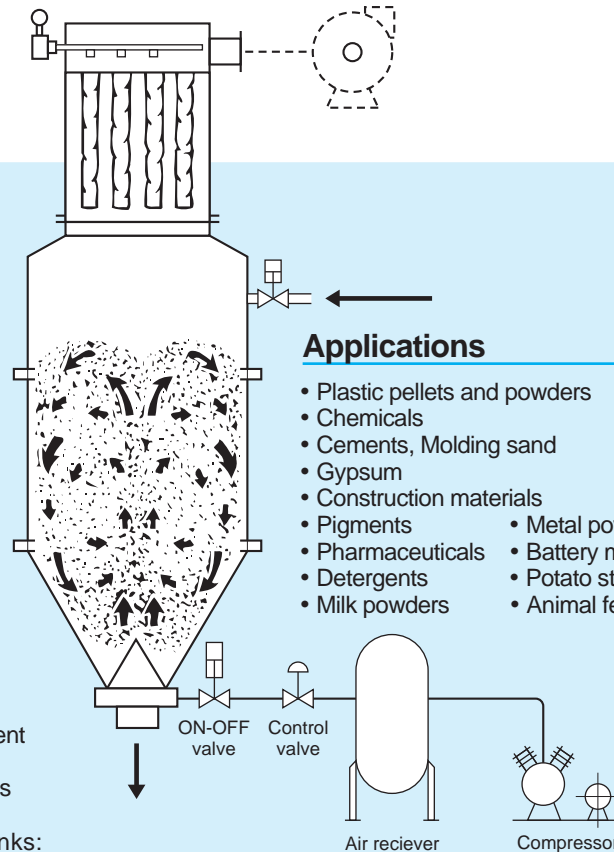
Powder particles air blending

ACO Air Blender

ACO Air Blender employs a spouted bed mixing system. By blowing compressed air (for 1~5 seconds/blow) intermittently from the bottom of the tank, powder & particles are fluidly spouted in the tank. Within 10 air blows, better blending results than other conventional mechanical blenders are achieved. Blown air is discharged through ACO's specialized filter on the top.

Features

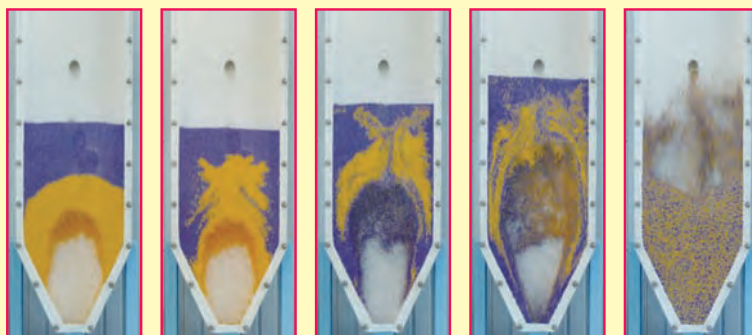
- Can receive material via pneumatic conveying system
- Short time blending (30 to 60 seconds), excellent blending results
- Safe, no rotator parts, no contamination worries
- Complete discharging
- Order made custom built large or small tanks: 0.03m³ ~ 600m³
- Simple automatic operation (charging, weighing, mixing and discharging)



Applications

- Plastic pellets and powders
- Chemicals
- Cements, Molding sand
- Gypsum
- Construction materials
- Pigments
- Pharmaceuticals
- Detergents
- Milk powders
- Metal powders
- Battery materials
- Potato starches
- Animal feed

Blending process



100TON/Batchx4
Air blend silo for special cement

to produce simple, reliable component systems



3-step-separation,
99.9% removal

Patented in: Japan, USA, EU, China, Taiwan, Korea

Pneumatic dust removal system

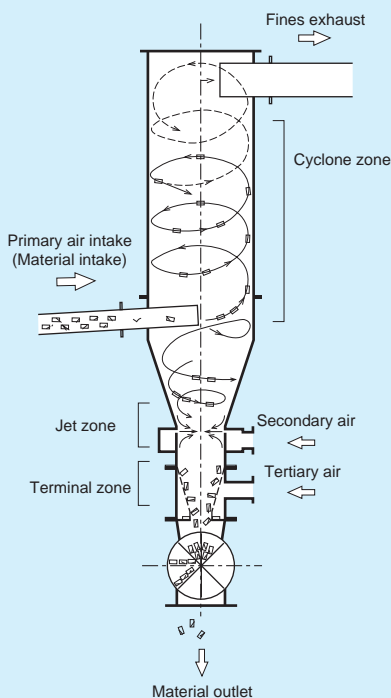
ACO Jet Separator

Applications

- Plastic pellets, crushed recycled plastics
- Agricultural and industrial chemicals, fertilizer granules, food products, pharmaceuticals

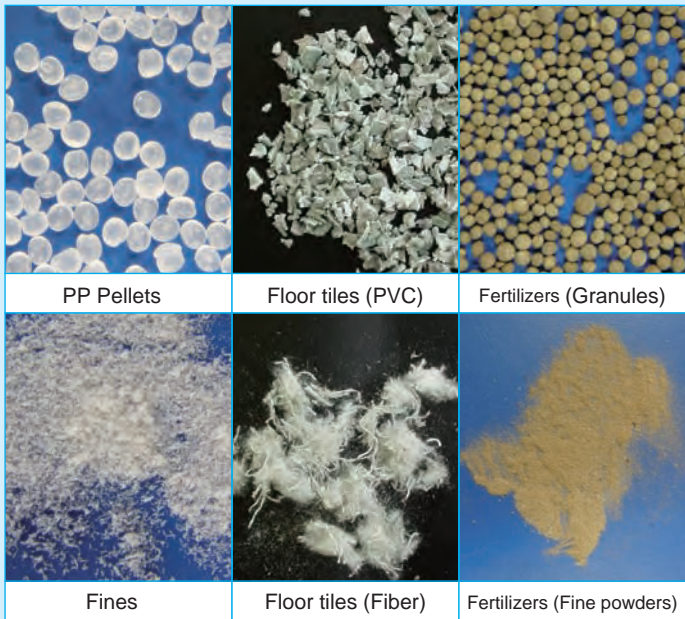
Proclamation

“We proclaim our ACO Jet Separator to be the world’s finest dedusting machine.”



Sanitary type

Samples



CFS-900-1200 Test machine



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